

## DETAILED ACTION

### *Claim Objections*

1. Claims 19-23 are objected to under 37 CFR 1.75(c) as being in improper form because they depend on cancelled claims 1 and 5 See MPEP § 608.01(j). Accordingly, the claims 19-23 have not been further treated on the merits.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 15-19, 24-32 are rejected under 35 U.S.C. 102(e) as being anticipated by **Hutchison, IV et al 6,839,570 (hereinafter Hutchison)**.

Regarding **claims 15 and 29**, Hutchison discloses an interface between a SIM card and a GSM modem (130B, see figs. 1 and 2A, col. 5, lines 12-20) comprising: a bidirectional data line that connects a card data input/output of the SIM card to a modem data input/output of the GSM modem (data line 212, see fig. 2A, col. 6, lines 59-64), wherein the data line is coupled to at least one edge driver (214, see fig. 2A, col. 6, lines 55-64).

Regarding **claim 24**, Hutchison discloses a method for bidirectional data transmission between a SIM card (122, see figs. 1 and 2A, col. 4, line 60) and a GSM

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modem (modem 120, see figs. 1 and 2A, col. 4, line 63) wherein the bidirectional data transmission takes place without the use of a control signal for the data direction on a data line that connects the SIM card and the GSM modem (data line 212, see fig. 2A, col. 6, lines 59-64).

Regarding **claims 16 and 30** as applied to claims 15 and 29, Hutchison further discloses wherein the data line is coupled to at least one edge driver, both at the MDEM end and at the card end (214, see fig. 2A, col. 6, lines 55-64).

Regarding **claims 17 and 31** as applied to claims 15 and 29, Hutchison further discloses wherein the positive and negative edge drivers are provided (214, see fig. 2A, col. 6, lines 55-64, col. 7, lines 23-38).

Regarding **claim 18** as applied to claim 15, Hutchison further discloses wherein only positive edge drivers are provided (214, see fig. 2A, col. 6, lines 55-64, col. 7, lines 23-38).

Regarding **claims 19 and 32**, as applied to claims 15 and 29, Hutchison further discloses wherein the at least one edge driver is formed from discrete components (see figs. 2A and 2B col. 6, lines 55-64)

Regarding **claim 25** as applied claim 24, Hutchison further discloses wherein at least one edge driver is used for conditioning of the signal on the data line (data line 212, see fig. 2A, col. 6, and lines 59-64).

Regarding **claim 26** as applied claim 25, Hutchison further discloses wherein the at least one edge driver can in each case be optimized to the clock rate of the data transmission by inserting a coupling capacitor (see fig. 2A and 3, col. 10, lines 1-29).

Regarding **claim 27** as applied claim 25, Hutchison further discloses wherein the interference voltage separation of the at least one edge driver can in each case be set, by means of a resistor (214, see figs. 2A and 2B, col. 6, lines 55-64, col. 7, lines 23-62).

Regarding **claim 28** as applied claim 25, Hutchison further discloses wherein the response threshold of the at least one driver can in each case be set or tuned by means of a resistor (214, see figs. 2A and 2B, col. 6, lines 55-64, col. 7, lines 23-62).

***Allowable Subject Matter***

4. Claims 20-23, and 33-34 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Response to Arguments***

5. Applicant's arguments filed 22 July 2008 have been fully considered but they are not persuasive. Regarding claim 15, the applicant's representative asserts that Hutchison fails to disclose or suggest "a bidirectional data line that connects a card data input/output of the SIM to a modem data input/output of the GSM modem", and "a driver". The applicant respectfully disagrees. Hutchinson clearly discloses a common line 212 connected between a SIM 122 and modem 120, wherein data is received by the modem 120 and the SIM 122 on the common line 212 (see arrow signs, fig. 2A), broadly reading on the applicants claimed limitation of a "bidirectional data line". The common line 212 is connected to circuit 214 to safely interface the modem I/O ports to the SIM I/O ports (see fig. 2A, col. 6, lines 55-64, col. 7, lines 24-38), and this also broadly reads on applicants claimed limitation of "a bidirectional data line that connects

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a card data input/output of the SIM to a modem data input/output of the GSM modem, wherein the data line is coupled to at least one edge driver". Claims 15, 24, and 29 thus stand rejected.

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Carroll et al 5,594,384 discloses enhanced peak detector.

Kwon 20030124989 discloses a device and system having self-terminated driver and active terminator for high speed interface.

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OLUMIDE T. AJIBADE AKONAI whose telephone number is (571)272-6496. The examiner can normally be reached on M-F, 8.30p-5p.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

OA

/Charles N. Appiah/  
Supervisory Patent Examiner, Art Unit 2617